L Number	Hits	Search Text	DB	Time stamp
-	38	(detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	Time stamp 2003/04/16 13:00
			US-PGPUB	2003/04/10 13:00
-	14	((detect\$3 with cavitation) and (operat\$3 with parameter)) and (automatic\$4 with detect\$3)	USPAT; US-PGPUB	2003/04/11 16:44
l <u>-</u>	3	(((detect\$3 with cavitation) and (operat\$3 with parameter))		2002/04/44 47:40
	,	and (automatic\$4 with detect\$3)) and (characteristic with	USPAT;	2003/04/11 17:19
	1 .	curve)	US-PGPUB	
_	16	((detect\$3 with cavitation) and (operat\$3 with parameter))	LICDATE	2002/04/44 46 44
		and (pressure with indication)	USPAT; US-PGPUB	2003/04/11 16:44
	9	(((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2002/04/11 16:45
,	'	and (pressure with indication)) and (automatic\$4 with	US-PGPUB	2003/04/11 16:45
		detect\$3)	03-rarab	
-	1	((((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:46
		and (pressure with indication)) and (automatic\$4 with	US-PGPUB	2003/04/11 10.40
		detect\$3)) and (fluid with flow with indication)	05 T GF 0B	
-	1	((((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:46
٠.		and (pressure with indication)) and (automatic\$4 with	US-PGPUB	2003/01/11 10.40
,		detect\$3)) and (fluid with flow)	1 3.05	
-	2	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:48
		and (fluid with flow with indication)	US-PGPUB	
-	. 3	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:49
•		and (net with positive with suction with head)	US-PGPUB	
-	1	(((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:49
		and (net with positive with suction with head)) and (alert	US-PGPUB	, , , , , , , , , , , , , , , , , , , ,
		with user)	. •	
-	7	((detect\$3 with cavitation) and (operat\$3 with parameter))	USPAT;	2003/04/11 16:50
5		and (alert with user)	US-PGPUB	
-	4	((estimat\$3 or detect\$3) with cavitation) and (characteristic	USPAT;	2003/04/11 17:11
		with curve) and (net with positive with suction with head)	US-PGPUB	
	1	((estimat\$3 or detect\$3) with cavitation) and (memory with	USPAT;	2003/04/11 17:20
	20	characteristic with curve) and processor	US-PGPUB	
-	29	((estimat\$3 or detect\$3) with cavitation) and memory and	USPAT;	2003/04/11 17:15
		(processor or microprocessor or computer or CPU) and (operat\$3 with parameter)	US-PGPUB	
_	ا و	(((estimat\$3 or detect\$3) with cavitation) and memory and		
		(processor or microprocessor or computer or CPU) and	USPAT;	2003/04/11 18:09
		(operat\$3 with parameter)) and (process\$4 with plant) and	US-PGPUB	
•	·	pump		
	49	cavitation and (operat\$3 with parameter) and (characteristic	USPAT;	2003/04/11 17:28
	·	with curve)	US-PGPUB	2003/04/11 17.20
-	6	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:31
	-	(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	2003/01/13 17.51
	_	with cavitation)	/	
-	4	("6332110" "6317701" "6108616" "6055483" ).pn.	USPAT;	2003/04/11 17:28
			US-PGPUB	. , == =
-	0	(("6332110" "6317701" "6108616" "6055483" ).pn.) and	USPAT;	2003/04/11 17:29
		cavitation and (operat\$3 with parameter)	US-PGPUB	
-	1	(("6332110" "6317701" "6108616" "6055483" ).pn.) and	USPAT;	2003/04/11 17:29
		cavitation	US-PGPUB	
-	5	(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 15:54
	[	(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
	İ	with cavitation) and memory and (processor or		
_	13	microprocessor or computer or CPU) ("4234025"   "4310320"   "4486381"   "4400000"		
	13	("4234925"   "4319320"   "4486381"   "4490808"	USPAT	2003/04/15 15:51
		"4674279"   "4683718"   "4770843"   "4794544"   "4823018"   "4094684"   "5222412"   "5246250"		·
	ĺ	"4823018"   "4994684"   "5322412"   "5346359"   "5402332").PN.		
_	. 0	(("4234925"   "4319320"   "4486381"   "4490808"	LICDAT	2002/02/25 := ==
		"4674279"   "4683718"   "4770843"   "4794544"	USPAT;	2003/09/07 15:35
		"4823018"   "4994684"   "5322412"   "5346359"	US-PGPUB	
		"5402332").PN.) and (suction with pressure)	*	٠ ,
	5/20/04			

Search History 5/20/04 7:42:15 PM Page 1

	-		3 (cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:15
			(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	,
			with cavitation) and memory and (processor or		
		· [	microprocessor or computer or CPU) and (suction with		
			pressure)		
	-		2 ((cavitation and (operat\$3 with parameter) and	USPAT;	2002/04/15 17:15
			(characteristic with curve)) and ((estimat\$3 or detect\$3)		2003/04/15 17:15
			with cavitation) and moment and (escimation of detection)	US-PGPUB	
ŀ			with cavitation) and memory and (processor or		
			microprocessor or computer or CPU) and (suction with		
-			pressure)) and (suction with fluid with flow)		
			(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/15 17:33
ı			(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	
		ľ	with cavitation) and (calculat\$3 with net with position with		
Ī		1	suction)		
	-		(cavitation and (operat\$3 with parameter) and	USPAT;	2003/04/16 06:56
-			(characteristic with curve)) and ((estimat\$3 or detect\$3)	US-PGPUB	2003/04/10 00.36
٠	* ** = *		with cavitation) and (net with position with suction)	U3-PGPUB	of a substitute of the substitute of
-		1 4	702/\$.ccls, and cavitat\$4 and (operat\$3 with parameter)		
		'	The second state of the control of t	USPAT;	2003/04/15 18:12
-			and (characteristic with curve) and ((estimat\$3 or detect\$3)	US-PGPUB	
			with cavitat\$3) and (net with position with suction)		•
1	-	10		USPAT;	2003/04/15 18:33
1	•		and (monitor\$3 with data)	US-PGPUB	
1	-	(	1 ( ) The same same same (operated) With paralleter	USPAT;	2003/04/15 18:12
			and (monitor\$3 with data)) and (net with position with	US-PGPUB	2000/01/10 10:12
			suction)	00 1 01 05	
	-	1	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter)	USPAT;	2002/04/16 12:07
			and (monitor\$3 with data)) and (suction with pressure)		2003/04/16 12:07
	-	1 1	cavitat\$4 and (operat\$3 with parameter) and (monitor\$3	US-PGPUB	2002/24/12
ļ.		1	with data) and (characteristic with curve with	USPAT;	2003/04/15 19:06
			(voltage grament or voltage)	US-PGPUB	1
	_	51	(voltage-current or voltage))		
	=	21	The state of the parameters of an a (mornicol political adda) and	USPAT;	2003/04/15 19:02
		1	(characteristic with curve with (voltage-current or voltage))	US-PGPUB	
ł	<del>-</del>	. C		USPAT;	2003/04/15:19:03
ı			(characteristic with curve with (voltage-current or voltage)))	US-PGPUB	' '
			and (electrical with operting with parameter)		'
	-	3	The state of the s	USPAT;	2003/04/15 19:03
ı			(characteristic with curve with (voltage-current or voltage)))	US-PGPUB	2005/01/15 15:05
			and (electrical with operating with parameter)	00 1 01 00	
	-	1		USPAT;	2003/04/15 19:06
		, .	with curve with (voltage-current or voltage))	US-PGPUB	2003/04/13 19.00
	-	2			2002/04/46 00 40
İ		_	(voltage-current or voltage)) and (electrical with operating	USPAT;	2003/04/16 09:10
			with parameter)	US-PGPUB	
	-	152	(monitore3 with system) and (share sharinting with a		
		132		USPAT;	2003/04/16 07:27
			(voltage-current or voltage or V-A)) and (high with	US-PGPUB	,
L		10	frequency fluctuations)		
	•	19	The state of the s	USPAT;	2003/04/16 07:02
			(voltage-current or voltage or V-A)) and (high with	US-PGPUB	, ,
		a	frequency fluctuations)) and pump		
'	-	11		USPAT;	2003/04/16 07:02
	,		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	2000/01/10 07:02
			frequency fluctuations)) and pump) and parameter	33 1 31 35	•
	-	9	((((monitor\$3 with system) and (characteristic with curve	USPAT;	2002/04/15 07 04
			with (voltage-current or voltage or V-A)) and (high with		2003/04/16 07:04
			frequency fluctuations)) and pump) and parameter) and	US-PGPUB	•
			operating		
		1			
		1	1 (((((mains) 4 a mains) account) and (character istic with full full Ac	USPAT;	2003/04/16 07:04
			with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	
			frequency fluctuations)) and pump) and parameter) and	ŀ	
		L	operating) and (high with frequency with fluctuations)		

•	2	(((((monitor\$3 with system) and (characteristic with curve	USPAT;	2003/04/16 07:26
		with (voltage-current or voltage or V-A)) and (high with	US-PGPUB	' '
		frequency fluctuations)) and pump) and parameter) and		
	-	operating) and (frequency with fluctuations)		
-	4	(monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:18
	•	(voltage-current or voltage or V-A)) and (high with	US-PGPUB	
•		frequency with fluctuations)		·
-	3	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:09
-		(voltage-current or voltage or V-A)) and (high with	US-PGPUB	2000,01,200,105
		frequency with fluctuations)) and pump	00.00	
-	16	(monitor\$3 with system) and (characteristic with curve) and	USPAT;	2003/04/16 09:51
		(voltage-current or voltage or V-A) and (high with frequency	US-PGPUB	2003/04/10 03.31
		with fluctuations)	05 1 01 05	
_	5	((monitor\$3 with system) and (characteristic with curve)	USPAT;	2003/04/16 07:24
	1	and (voltage-current or voltage or V-A) and (high with	US-PGPUB	2003/01/10 07.21
		frequency with fluctuations)) and ( curve with	05 1 01 05	
		(voltage-current or voltage or V-A))		
_	25	(pump with cavitat\$3) and ( curve with (voltage-current or	USPAT;	2003/04/16 07:28
		voltage or V-A))	US-PGPUB	2003/04/10 07.20
_	1	((pump with cavitat\$3) and ( curve with (voltage-current or	USPAT;	2003/04/16 07:26
	1	voltage or V-A)) ) and (frequency with fluctuations)	US-PGPUB	2003/01/10 07.20
•	1	((monitor\$3 with system) and (characteristic with curve with	USPAT;	2003/04/16 07:27
	_	(voltage-current or voltage or V-A)) and (high with	US-PGPUB	2003/04/10 07.27
		frequency fluctuations)) and (pump with cavitat\$3)	OSFOROD	
-	11	(curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:43
	-	with frequency with fluctuations) and pump	US-PGPUB	2003/01/10 07:13
-	5	((curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:30
	1.7	with frequency with fluctuations) and pump) and parameter	US-PGPUB	2003/01/10 07:50
_	1	(curve with (voltage-current or voltage or V-A)) and (high	USPAT;	2003/04/16 07:39
	-	with frequency with fluctuations) and (electrical with	US-PGPUB	2003/01/10 07:33
		operating with parameter)	00 1 01 02	
-	0	(monitor\$3 with rountine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:12
		and (expert with engine) and (neural with network)	US-PGPUB	
-	6	((monitor\$3 with routine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:33
•		and (expert with engine) and (neural with network)) and	US-PGPUB	
J.F		cavitat\$3	00 / 0.00	
- 1	7	((monitor\$3 with routine) and (operat\$4 with parameter)	USPAT;	2003/04/16 09:17
		and (expert with engine) and (neural with network)) and	US-PGPUB	=====
		pump		
	10	(monitor\$3 with routine) and (operat\$4 with parameter) and	USPAT;	2003/04/16 09:32
		(expert with engine) and (neural with network)	US-PGPUB	= 200,00,00,00
-	47	(monitor\$3 with system) and (operat\$4 with parameter) and	USPAT;	2003/04/16 09:50
		(expert with engine) and (neural with network)	US-PGPUB	
-	9	((monitor\$3 with system) and (operat\$4 with parameter)	USPAT;	2003/04/16 10:28
		and (expert with engine) and (neural with network)) and	US-PGPUB	
		cavitat\$3	-	
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_	164	("3096434"	"3404264"	'   "3468164"	' I "3590370'	· · · · · · · · · · · · · · · · · · ·	USPAT	2003/04/16 09:48
			"3691842"				05171	2003/01/10 03.10
			"4058975"					
			"4250490"			•		
		"4517468"		•	"4635214"	i		•
		"4642782"	•	•	•	i		
		"4736367"	•		"4841286"	<b>i</b>		
,		"4873655"	"4907167"	"4924418"	"4934196"	i		
		"4939753"	•	"4988990"	"4992965"	į		
		"5005142"	"5043862"	j "5053815"	i "5067099"	i		
		"5081598"	"5089984"	"5098197"	"5099436"	İ		
		"5103409"	"5111531"	"5121467"	"5122794"	j .		·
		"5122976"	"5130936"	"5134574"	"5137370"	i		
		"5142612"	"5143452"	"5148378"	"5167009"	İ		
		"5175678"	"5193143"	"5197114"	"5197328"	Ì		
		."5212765".	"5214582"	"5224203"	"5228780".	i No de la companie		, english english
		"5235527"	"5265031"	"5265222"	"5269311"	ĺ		
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1		"5303181"	"5305230"	"5311421"	"5317520"	İ		
		"5327357"	"5333240"	"5347843"	"5349541"	1	-	
		"5357449"	"5361628"	"5365423"	"5367612"	1		
		"5384699"	"5386373"	"5394341"	"5394543"			,
		"5404064"	"5408406"	"5408586"	"5414645"			
			"5430642"		"5442639"	1		
			"5469070"	"5469156"	"5469735"			
			"5483387"	"5485753"	"5486996"	[	•	
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		"5511004"	•	•	"5570300"	ĺ		-
			"5573032"		"5600148"		•	* *
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		"5704011"	•		"5713668"	1		
		"5719378"			"5746511"			
		"5752008"		"5781878"	"5801689"	,		
		"5805442"	"5828567"	"5829876"	"5848383"			
		"5859964"	•	"5887978"	"5923557"	!		
		"5924086"		•				
		"5970430"		"6017143"	"6045260"	,		
		"6047220"		"6119047"	"6192281"			
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-		(("3096434"   "3404264"   "346816		USPAT;	2003/04/16 09:48
-		"3688190"   "3691842"   "3701280		US-PGPUB	
	i	1	"   "4102199"		
		"4122719"   "4250490"   "4337516			
		"4517468"   "4530234"   "4571689   "4642782"   "4644479"   "4649515	•		
			"   "4707796"   "   "4941396"		
		• •	"   "4841286"   "   "4034106"		
			"   "4934196"   "   "4992965"		
		"5005142"   "5043862"   "5053815	•		
		"5081598"   "5089984"   "5098197		•	
		"5103409"   "5111531"   "5121467			
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		"5274572"   "5282131"   "5282261		•	
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<b>'</b> .		1	"   "5349541"		
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		"5467355"   "5469070"   "5469156			
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		"5488697"   "5489831"   "5495769			
		"5511004"   "5548528"   "5561599	•		
·		"5572420"   "5573032"   "5598521			
	. •	"5623605"   "5637802"   "5640491	•		
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İ		"5675724"   "5680109"   "5700090	•		
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		"5719378"   "5741074"   "5742845	'   "5746511"		
		"5752008"   "5764891"   "5781878	'   "5801689"		
	-	"5805442"   "5828567"   "5829876	'   "5848383"		
		"5859964"   "5876122"   "5887978	'   "5923557"		
	1	"5924086"   "5926778"   "5940290	'   "5956663"	4	
		"5970430"   "6016706"   "6017143	'   "6045260"		
		"6047220"   "6047222"   "6119047	'   "6192281"	-	
		"6195591"   "6199018"   "6263487			
		(expert with engine) and (neural wi	th network)		
-	19	((monitor\$3 with system) and (ope	rat\$4 with parameter)	USPAT;	2003/04/16 09:50
		and (expert with engine) and (neur	al with network)) and	US-PGPUB	
		pump	,		
-	3	((((monitor\$3 with system) and (op		USPAT;	2003/04/16 10:41
		and (expert with engine) and (neur		US-PGPUB	
-		pump) and (operat\$4 with paramet	er)) and (characteristic		
		with curve)		*	
-	19	(((monitor\$3 with system) and (ope		USPAT;	2003/04/16 12:57
		and (expert with engine) and (neur		US-PGPUB	
		pump) and (operat\$4 with paramet			
-	2	(monitor\$3 with system) and (alert	with cavitat\$3)	USPAT;	2003/04/16 10:40
	-			US-PGPUB	
-	2	(alert with cavitat\$3)		USPAT;	2003/04/16 10:33
		l		US-PGPUB	
-	95	(monitor\$3 with system) and alert a	and cavitat\$3	USPAT;	2003/04/16 10:41
	_			US-PGPUB	
-	8	((monitor\$3 with system) and alert	and cavitat\$3) and	USPAT;	2003/04/16 10:41
	_	(characteristic with curve)		US-PGPUB	
-	] 3	(702/\$.ccls. and cavitat\$4 and (ope		USPAT;	2003/04/16 12:08
	<u></u>	and (monitor\$3 with data)) and (ch	aracteristic with curve)	US-PGPUB	
C 1- 1-17-1	= 100 11	1.7·42·15 DM Dage 5			

2 ((((monitors3 with system) and (operats4 with parameter) and (expert with engine) and ((num) with impeller)  0 ((10)96434"   "3446464"   "3468164"   "3590370"   "3698481"   "3426464"   "3468164"   "3590370"   US-PGPUB   "36988190"   "3691842"   "3701280"   "3973184"   US-PGPUB   "4122719"   "4250490"   "43735716"   "4393924"   "4127459490"   "4373687"   "4777585"   "4694718"   "430234"   "462782"   "4644479"   "451689"   "4835241"   "462782"   "4644479"   "473665"   "4907167"   "4992955"   "3003465"   "4773665"   "4907167"   "4992955"   "5005142"   "5043862"   "4992955"   "5005142"   "5043862"   "5043862"   "510469"   "5113531"   "5121467"   "5122794"   "5123794"   "5123796"   "5130969"   "5146612"   "5143452"   "5146878"   "512370"   "5145612"   "5143452"   "5146878"   "5123737"   "5262311"   "5274572"   "524582"   "5224030"   "5229360"   "523757"   "5237357"   "53536373"   "5364612"   "5367612"   "5367612"   "5384699"   "5386373"   "5364612"   "531750"   "5327357"   "3363637"   "5317461"   "531750"   "5327357"   "3363637"   "5314582"   "53146618"   "531750"   "531750"   "531750"   "531750"   "5317530"   "531750"   "531750"   "5318499"   "3365128"   "5367612"   "5367612"   "5386379"   "53461665"   "54669755"   "546697											
and (expert with engine) and (neural with network)) and pump) and (pump with impeller)  0 (("3096434"  "3406264"  "3468164"  "3590370"      "829333"   "4068975"  "369168"  "35973184"      "829333"   "4058975"  "43978184"      "829333"   "4058975"  "43978184"      "412719"  "4250490"  "4337516"  "4399824"      "412719"  "4250490"  "4337516"  "4707796"      "4736367"  "4777585"  "4697515"  "4707796"      "4736367"  "47777585"  "4934186"      "4934755"  "4904157"  "4934186"      "4933753"  "4964125"  "49348990"  "4992955"      "5081588"  "5089984"  "5089899"  "5067099"      "5081588"  "5089984"  "5089899"  "5067099"      "5104162"  "514382"  "512794"      "5122976"  "5130336"  "5134574"  "5127370"      "5142612"  "514382"  "5124784"      "5127576"  "5139143"  "512794"      "5127576"  "5139143"  "5167009"      "514568"  "536623"  "556522"  "528585"      "533181"  "5305220"  "511421"  "5197228"      "5235527"  "5326301"  "5565222"  "528585"      "5337499"  "5346362"  "5365423"  "536612"      "5346960"  "5469360"  "5469373"      "5469609"  "5469360"  "5469373"      "5469609"  "5469360"  "5469373"      "5469609"  "5469360"  "5469373"      "5469609"  "5469360"  "5469373"      "5511004"  "5548282"  "5561599"  "570308"      "5575724"  "5588109"  "5561599"  "570308"      "5575724"  "5588109"  "5700090"  "5703575"      "5790211"  "75793609"  "5700090"  "5703575"      "5790211"  "75793609"  "5700090"  "5703575"      "5790211"  "7579360"  "5700090"  "5703575"      "57902086"  "55710090"  "5700090"  "5703575"      "57902086"  "55710090  "5700090"  "5703575"      "5924086"  "55710090  "5700090"  "5703575"      "5924086"  "55710090  "5700090"  "5703575"      "5924086"  "55710090  "5700090"  "5703575"      "5924086"  "55710090  "5703575"      "5924086"  "55710000  "6700090  "5703575"      "5924086"  "55710000  "67000000  "5703575"      "5924086"  "55710000  "67000000  "5703575"      "5924086"  "557100000  "5703575"      "5924086"  "55710000  "5703575"      "5924086"  "55710000  "5703575"      "5924086"  "55710000  "5703575"	-			2	(((monitors	33 with syste	m) and (ope	rat\$4 with pa	rameter)	USPAT;	2003/04/16 12:58
0 (("3096434"   "3408464"   "397038"   US-AT; US-PGPUB   "RE29383"   "4058975"   "4099913"   "410219"   "412719"   "425040"   "4337516"   "4399824"   "4517468"   *4530234"   "4517689"   "439824"   "4517468"   *4530234"   "4517689"   "439824"   "4736367"   *4777585"   "4891564"   "4707796"   "4736367"   *4777585"   "4891564"   "4934166"   "4939753"   *4964125"   "4988990"   "4999265"   "500142"   "504362"   "5034151"   "5067090"   "5081598"   "508984"   "5089897"   "5067090"   "5145678"   "5130386"   "5134574"   "5137370"   "5147612"   "514382"   "151477370"   "5147612"   "514382"   "1514771"   "5197328"   "5125767"   "5136828"   "536522"   "5268011"   "5235577"   "5333612"   "356522"   "5268011"   "523577"   "33336124"   "4505220"   "311421"   "5197328"   "5237577"   "3337371"   "3349411"   "5395421"   "5347649"   "3466125"   "4068465		İ						I with networ	rk)) and	US-PGPUB	' '
"3688190" "3691842" "3701280" "3973184" US-PGPUB "RE2933" "4059490" "437516" "4102199" "4122719" "4250490" "437516" "4393824" "437168" "453024" "45635214" "4642782" "4644479" "4649515" "470356" "4373636" "4773636" "4373636" "4773636" "487165" "488126" "484126" "484126" "484126" "484126" "484126" "484126" "484126" "486351" "5003142" "5043862" "503315" "5005142" "5043862" "503315" "5005142" "5043862" "503315" "5005142" "5043862" "503315" "5005142" "5103409"  5111531" "511266" "5112794" "5112794" "5112794" "5112796"  5113691" "511266" "5127467" "5127276" "5124612" "5142452" "5148452" "512467" "5127279" "5125670" "5125670" "512676" "5120369" "514672" "512467" "5127278" "512467" "5127278" "512467" "51			r								
"3688190" "3691842" "3701280" "3973184" US-PGPUB "RE2933" "4059490" "437516" "4102199" "4122719" "4250490" "437516" "4393824" "437168" "453024" "45635214" "4642782" "4644479" "4649515" "470356" "4373636" "4773636" "4373636" "4773636" "487165" "488126" "484126" "484126" "484126" "484126" "484126" "484126" "484126" "486351" "5003142" "5043862" "503315" "5005142" "5043862" "503315" "5005142" "5043862" "503315" "5005142" "5043862" "503315" "5005142" "5103409"  5111531" "511266" "5112794" "5112794" "5112794" "5112796"  5113691" "511266" "5127467" "5127276" "5124612" "5142452" "5148452" "512467" "5127279" "5125670" "5125670" "512676" "5120369" "514672" "512467" "5127278" "512467" "5127278" "512467" "51	-			0	(("3096434	"   "3404264	l"   "3468164	4"   "3590370	)" <b> </b>	USPAT:	2003/04/16 12:59
"RE29383"   "4058975"   "4059415"   "4102199"   "4351248"   "4517468"   "44517468"   "44571689"   "4635214"   "4777885"   "463524"   "4777885"   "4631564"   "4841266"   "4873655"   "4907167"   "924418"   "4934126"   "4939753"   "4964125"   "4988990"   "4992955"   "5081598"   "5081998"   "5098199"   "50999456"   "510309"   "51135131"   "5121467"   "512794"   "5122976"   "5123976"   "5134574"   "5137370"   "5122976"   "51393143"   "5197114"   "5197328"   "512796"   "5125527"   "5265031"   "5265222"   "5265031"   "525522"   "5265313"   "5225527"   "5265323"   "5265222"   "5265311"   "52974572"   "528131"   "52826522"   "5265311"   "52974572"   "528131"   "52826522"   "5265311"   "52974572"   "528131"   "52826522"   "5265311"   "52974572"   "5281373"   "5337490"   "337494"					"3688190"	"3691842"	l "3701280"	"3973184"	1		2000,01,2022.55
"4122719"   "4250490"   "4337516"   "4399624"   "4644782"   "4644782"   "4649515"   "4707796"   "4736367"   "47776788"   "4811648"   "4891168"   "48973658"   "4817688"   "4817688"   "481768"   "48176888"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "4817688"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"   "48176888"	ļ	i								00 1 01 02	
"4517468"   "4530234"   "4571689"   "4635214"   "4672782"   "46447479"   "4649151"   "4974196"   "47736367"   "4777585"   "4831564"   "4841286"   "48736555"   "4907167"   "4924418"   "4934196"   "4939753"   "4964125"   "4986990"   "499265"   "5081598"   "5089984"   "5098197"   "5099436"   "5103409"   "5111531   "5121467"   "512794"   "5122767   "51310936"   "513477"   "512794"   "5122767   "51310936"   "513477"   "512794"   "5122767   "51310936"   "513477"   "512794"   "5127678"   "51931431"   "5197141"   "5197328"   "5212765"   "5214582"   "522400"   "5228780"   "5214582"   "5222400"   "5228780"   "5274572"   "5260311"   "5262261"   "5293585"   "5333181"   "5305200"   "531421"   "5317500"   "5327357"   "526030"   "531421"   "5317500"   "5327357"   "5386030"   "531421"   "5317500"   "5327357"   "5480600"   "5469565   "546465"   "5419197"   "5430642"   "5440478"   "544655"   "54419197"   "5430642"   "5440478"   "544655"   "5481999"   "5483387"   "5486753"   "5486996"   "5486969"   "58669131"   "5967590"   "5573000"   "557240"   "5586811"   "596789"   "5730300"   "557240"   "5573022"   "55861599"   "5573000"   "557240"   "5573022"   "558651599   "5573000"   "557240"   "5573022"   "558651599   "5573000"   "557240"   "5573022"   "558651599   "5573000"   "557208"   "5669713"   "566168"   "5666891   "5703575"   "5704011"   "5708788"   "5710585"   "5710587"   "5704011"   "5708788"   "5710585"   "5708585"   "5713688"   "571378"   "571011"   "5708788"   "5710878"   "57108887   "5806699"   "570300"   "5956639"   "59669719"   "59666971"   "59669719"   "59666971"   "59666971"   "59666971"   "59666971"   "59669719   "5966663"   "5970430"   "6016700"   "6017143"   "6045260"   "6047220"   "6047222"   "6119474"   "6192611"   "6195591"   "6199018"   "6263487"   "6298377"),NN) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$, ccc.s. or 700/\$, cc.s.) and (detect\$3 with cavitation	· ·								1		
"4642782"   "4644479"   "4649515"   "4707796"   "48173655"   "48173655"   "48173655"   "48173655"   "48173655"   "48173655"   "48173655"   "48173655"   "48173655"   "48173655"   "5003197"   "5003198"   "5003198"   "5003198"   "5003198"   "5003198"   "5003198"   "5003198"   "5003199"   "5003197"   "5003197"   "5003197"   "5003197"   "5003197"   "5003197"   "5003197"   "5003197"   "5122976"   "5122976"   "5120336"   "5134574"   "5137370"   "5167009"   "5175678"   "51931437"   "5134574"   "5137370"   "5235527"   "5265021"   "5265222"   "5266311"   "5225527"   "5235527"   "5235527"   "5235527"   "5235527"   "5235527"   "5235527"   "5235527"   "5265222"   "5266311"   "5205585"   "5303181"   "5305203   "5311421"   "5315720"   "5337499"   "5361628"   "5365422"   "5265222"   "5265221"   "5269311"   "5305420   "5347843"								•	<u> </u>		
"4775657"   "4777585"   "4831564"   "4941286"   "4839753"   "4964125"   "4988990"   "499265"   "4939753"   "4964125"   "4988990"   "499265"   "5081598"   "5089984"   "509917"   "509946"   "5103409"   "5111531"   "509917"   "509946"   "5122976"   "51310936"   "5134574"   "512794"   "512276"   "51310936"   "5134574"   "5137370"   "5142612"   "5143422"   "5148378"   "5167009"   "51757678"   "51931431"   "519714"   "5197328"   "5217578"   "5214313"   "519714"   "5197328"   "5217578"   "5214313"   "519714"   "5197328"   "5274572"   "5260311"   "526222"   "5269311"   "5274572"   "5282030"   "531421"   "5397528"   "5337357"   "5282051"   "526227"   "5269585"   "5331311"   "5305203"   "531421"   "5397431"   "5337499"   "5361628"   "5364373"   "5394541"   "53374699"   "5386373"   "5394341"   "5394543"   "5440464"   "5494060"   "5408568"   "541465"   "5419197   "5430642"   "5440478"   "5442639"   "54811997   "5483387"   "46976"   "5489573"   "54811997   "5483387"   "5485753"   "5486996"   "5486969"   "58689131"   "499576"   "5570300"   "5571240"   "5573032"   "559858"   "570300"   "557240"   "55868131"   "499576"   "551099"   "5511004"   "5548528"   "5561599"   "5570300"   "557240"   "5573032"   "55861599"   "5570300"   "557240"   "5573032"   "55861599"   "5570300"   "557240"   "5573032"   "55861599"   "5570300"   "557240"   "5578732"   "5661668"   "56659713"   "5667133"   "5661668"   "56659713"   "567135"   "5705851"   "570586"   "5773011"   "5708788"   "571088"   "571568"   "577308"   "5741074"   "574885"   "5746511"   "5752088"   "5768911"   "5623487"   "629377"),N.) and (pump with impeller)   ((monitor3 with system) and (operat49 with parameter) and (pump with impeller)   ((detect\$3 with cavitation) and (operat49 with parameter) and (pump with impeller)   ((702/\$,cc.sc. or 700/\$,cc.s), and (detect\$3 with cavitation) and (operat3 with parameter) and (pump with impeller)   ((Characteristic with curve) same (operat43 with parameter) usame caviation   and (operat33 with parameter) and (monitor53 with parameter) and (char						•	· .	•	1		
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"5122976"   "5130936"   "5134574"   "5137370"   "5175678"   "5193143"   "5197114"   "5197328"   "5212765"   "5214582"   "522403"   "5228780"   "5274572"   "5282131"   "5282261"   "5293585"   "5303181"   "5305230"   "5311421"   "5317520"   "53274577"   "5282131"   "5282261"   "5293585"   "5303181"   "5305230"   "531421"   "5317520"   "53274577"   "5333240"   "5347843"   "539541"   "537449"   "536628"   "536642"   "5347645"   "534699"   "5386373"   "5394341"   "5394543"   "5404064"   "5408406"   "54085642"   "53464539"   "5467355"   "5469070"   "5469156"   "5469735"   "488697"   "5489831"   "5495769"   "5469735"   "5481199"   "54883387"   "5495769"   "5510799"   "5511004"   "55848528"   "55651599"   "5570300"   "5572420"   "5573032"   "5598521"   "560148"   "5623605"   "5573032"   "5598521"   "560148"   "5623605"   "5578029"   "5700090"   "5703575"   "5704011"   "5705978"   "5700090"   "5703575"   "5704011"   "5705978"   "57008585"   "5713668"   "5719378"   "5741074"   "5742845"   "5746511"   "5752089"   "5764891"   "57881879"   "5801689"   "5805442"   "5828567"   "5828767"   "582876"   "5848383"   "5859964"   "3876122"   "5889788"   "5923557"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "619018"   "6045260"   "6047220"   "6047222"   "619018"   "6263487"   "6298377").PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (nump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)   ((702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$4 with parameter) and (pump with impeller)   (702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with parameter) and (monitor\$3 with (data or parameter))   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic w	•							•	1		
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"5175678"   "5193143"   "519714"   "5197328"   "521765"   "526521482"   "5265222"   "5269311"   "5274572"   "5282131"   "5282261"   "5293855"   "5303181"   "5305230"   "5311421"   "5317520"   "5327357"   "5333240"   "5347843"   "5349541"   "5357449"   "53661628"   "5365423"   "5349541"   "5384699"   "53661628"   "5365432"   "5394541"   "5440064"   "5480406"   "544058568"   "5414645"   "5419197"   "5430642"   "5440478"   "5446239"   "5467355"   "5489387"   "5480586"   "5446239"   "5468159"   "5489387"   "5485753"   "5486996"   "5488697"   "5489387"   "5495769"   "5510799"   "5511004"   "5574207"   "5574302"   "5598521"   "5600148"   "55623605"   "5637802"   "5598521"   "5600148"   "55635899"   "5689132"   "55695391"   "5661568"   "5565899"   "5689109"   "5700300"   "5703575"   "5574207"   "5574090"   "5700390"   "5703575"   "5704011"   "5705978"   "5700390"   "5703575"   "5704011"   "5705978"   "5700390"   "5703575"   "570430"   "5681019"   "528866"   "589668"   "859964"   "5876491"   "574845"   "5746511"   "5752008"   "5764991"   "5781878"   "89101699     "5924086"   "588265"   "5829876"   "592857"   "5924086"   "5876122"   "5829876"   "5936663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "619047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377"),PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)   ((monitor\$3 with system) and (operat\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/5.ccls. or 700/5.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter)   (702/5.ccls. or 700/5.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with c	1	-			"5122976"	"5130936"	"5134574"	"5137370".	1		
"5175678"   "5193143"   "519714"   "5197328"   "521765"   "526521482"   "5265222"   "5269311"   "5274572"   "5282131"   "5282261"   "5293855"   "5303181"   "5305230"   "5311421"   "5317520"   "5327357"   "5333240"   "5347843"   "5349541"   "5357449"   "53661628"   "5365423"   "5349541"   "5384699"   "53661628"   "5365432"   "5394541"   "5440064"   "5480406"   "544058568"   "5414645"   "5419197"   "5430642"   "5440478"   "5446239"   "5467355"   "5489387"   "5480586"   "5446239"   "5468159"   "5489387"   "5485753"   "5486996"   "5488697"   "5489387"   "5495769"   "5510799"   "5511004"   "5574207"   "5574302"   "5598521"   "5600148"   "55623605"   "5637802"   "5598521"   "5600148"   "55635899"   "5689132"   "55695391"   "5661568"   "5565899"   "5689109"   "5700300"   "5703575"   "5574207"   "5574090"   "5700390"   "5703575"   "5704011"   "5705978"   "5700390"   "5703575"   "5704011"   "5705978"   "5700390"   "5703575"   "570430"   "5681019"   "528866"   "589668"   "859964"   "5876491"   "574845"   "5746511"   "5752008"   "5764991"   "5781878"   "89101699     "5924086"   "588265"   "5829876"   "592857"   "5924086"   "5876122"   "5829876"   "5936663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "619047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377"),PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)   ((monitor\$3 with system) and (operat\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/5.ccls. or 700/5.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter)   (702/5.ccls. or 700/5.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter)   (Characteristic with c					"5142612"	"5143452"	"5148378"	"5167009"	i		
"5212755"   "5214582"   "5224203"   "5228780"   "5235527"   "5265031"   "5265222"   "5269311"   "5274572"   "5282131"   "5282261"   "5293385"   "5303181"   "5305230"   "5311421"   "5317520"   "5327375"   "5361628"   "5366423"   "3367612"   "5357449"   "5361628"   "5366423"   "367612"   "5484699"   "5366628"   "5408466"   "5414645"   "541917"   "5430642"   "5440478"   "5442639"   "5467355"   "5469070"   "5469156"   "5469735"   "548199"   "5483387"   "5485753"   "5466975"   "548199"   "5489831"   "5485753"   "5466975"   "5511004"   "5548528"   "5561599"   "5570300"   "557242"   "5573032"   "5561599"   "5570300"   "557240"   "5573032"   "5569521"   "560148"   "5665899"   "5669713"   "5671335"   "6675504"   "5575241"   "5660109"   "5700900"   "5703575"   "5704011"   "5705978"   "5708585"   "5713668"   "5713978"   "5741074"   "5742845"   "5746511"   "5752008"   "5764891"   "5781878"   "5801689"   "5805442"   "5828567"   "5829876"   "5843383"   "589964"   "5876122"   "6190169"   "6192281"   "6197591"   "619918"   "6263487"   "6298377"),PN, and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)   ((Monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)   ((Monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)   ((Monitor\$3 with system) and (operat\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   ((Characteristic with curve) same (operat\$3 with parameter)   ((Characteristic with curve) same (operat\$3 with parameter)   ((Characteristic with curve) same (operat\$3 with parameter)   ((Characteristic with curve) same (operat\$3 with parameter)   ((Characteristic with curve) same (operat\$3 with parameter)   ((Characteristic with curve) same (operat\$3 with parameter)   ((S-PGPUB USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USP					"5175678"	"5193143"		•	i		
"5235527"   "5265032"   "5265222"   "5299311"   "5297457"   "5303181"   "5305230"   "5311421"   "5317520"   "53327357"   "5333240"   "5347843"   "5349541"   "5357449"   "5361628"   "536478"   "5349541"   "5384699"   "5361628"   "536478"   "5394543"   "5404064"   "5408406"   "5408406"   "5408566"   "541937"   "5430642"   "5440064"   "5408566"   "5442639"   "5467355"   "5469070"   "5469156"   "5469735"   "5461199"   "54893387"   "5495769"   "5510799"   "5511004"   "5548528"   "5565326"   "5637802"   "5563505"   "5637802"   "55640391"   "5600148"   "55623605"   "5637802"   "55640391"   "5600148"   "5565299"   "5571306"   "557420"   "55730302"   "557420"   "55740011"   "5709080"   "5703575"   "5700011"   "5709080"   "5703575"   "5700011"   "577828178"   "5713688"   "571308"   "5748911"   "57818788"   "5713668"   "571308"   "5748911"   "57818788"   "5801689"   "5805442"   "588266"   "5926778"   "5904360"   "5906663"   "5907430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "619047"   "6192281"   "6195591"   "6199018"   "6298377"),PN.) and (pump with impeller) ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller) ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller) (702/\$,cc.to. 700/\$,cc.to.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$,cc.to. 700/\$,cc.to.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$,cc.to. 700/\$,cc.to.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$,cc.to. 700/\$,cc.to.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$,cc.to. 700/\$,cc.to.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with cavitation) and (operat\$3 with parameter) and (pump with cavitation) and (operat\$3 with parameter) and (pump with cavitation) and (operat\$3 with parameter) and (pump with cavitation) and (operat\$3 with parameter) and (pump with cavitation)	1							•	i		
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"5303181"   "5305230"   "5317421"   "5317520"   "5327357"   "5333240"   "5347843"   "5349541"   "5357449"   "5361628"   "5365423"   "5365612"   "5384699"   "5386373"   "5394341"   "5394543"   "5404064"   "5408406"   "5408586"   "5414645"   "5419197"   "5430642"   "5408586"   "5416455"   "5481199"   "5483387"   "5485753"   "5486996"   "548199"   "5483387"   "5485753"   "5486996"   "548199"   "5483387"   "5485753"   "5486996"   "548199"   "5483387"   "5485753"   "5486996"   "5488697"   "55485281"   "5561599"   "5570300"   "5572420"   "5573032"   "5591396"   "5570300"   "5572420"   "5573032"   "5561599"   "5570300"   "5572420"   "5573032"   "55958521"   "560148"   "5665899"   "55697133"   "5675524"   "5675724"   "55697133"   "5675504"   "57675724"   "5569713"   "57095885"   "5733668"   "5779378"   "570918"   "57008585"   "5733668"   "5713378"   "5709889"   "5733668"   "5713578"   "5826578"   "5829876"   "58818383"   "585964"   "5826578"   "5829876"   "5889383"   "5859964"   "5826578"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)  2 ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)  1 ((monitor\$3 with system) and (operat\$4 with parameter) and (pump with impeller)  2 (702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with oarameter) and (pump with impeller)  2 (702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with oarameter) and (pump with impeller)  0 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  11 ("Fof							•				
"5327357"   "53361628"   "5365423"   "5367612"   "5384699"   "5386373"   "5396341"   "5394543"   "5484699"   "5386373"   "5393431"   "5394543"   "5404064"   "5408060"   "5409586"   "5414645"   "5419197"   "5430642"   "5404078"   "5446239"   "5467355"   "548931"   "54895769"   "5510799"   "5511004"   "5548528"   "5561599"   "5510799"   "5511004"   "5548528"   "5561599"   "5510799"   "551004"   "5573032"   "5598521"   "5600148"   "5665899"   "5669731"   "5671335"   "5675504"   "5665724"   "5560109"   "5700909"   "5703575"   "5704011"   "570978"   "5700997   "5703575"   "5704011"   "570978"   "5700997   "573668"   "571378"   "5711074"   "5742845"   "5746511"   "5752008"   "5764891"   "5781878"   "5801689"   "5885964"   "5826567"   "5828876"   "5848383"   "5895964"   "5826578"   "5829876"   "5848383"   "5885964"   "5876122"   "5887978"   "5923557"   "5924086"   "5926778"   "5940290"   "59956663"   "5907430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6199048"   "698377").PN.) and (pump with impeller)  2 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)  2 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  4 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  5 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  6 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  6 (detect\$3 with parameter) and (monitor\$3 with (data or parameter))  7 (Characteristic with curve) same (operat\$3 with parameter)  8 (Characteristic with curve) same (operat\$3 with parameter)  9 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  10 (Parameteristic with curve) same (operat\$3 with parameter)								•	Į. "`		
"5387449"   "5361628"   "5365423"   "5394341"   "5384699"   "5386373"   "5394341"   "5394543"   "5404064"   "5408406"   "5408586"   "5414645"   "5419197"   "5430642"   "5469156"   "5459375"   "5481997"   "5489387"   "5485753"   "5486996"   "548199"   "5483887"   "5485753"   "5486996"   "5511004"   "5548528"   "5561599"   "55170300"   "5572420"   "5573032"   "5560391"   "5500300"   "5572420"   "5573032"   "55604991"   "5501668"   "5663805"   "5664091"   "5700375"   "5713668"   "57675724"   "5680109"   "5700397"   "5733575"   "5779378"   "574011"   "5708985"   "5736668"   "5752308"   "5764911"   "5781878"   "5801689"   "5752400"   "5764891"   "5781878"   "5801689"   "5805442"   "5826778"   "5829876"   "5895663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "55940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377"),PN.) and (pump with impeller)  2 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)  1 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  2 (702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with oavitation) and (operat\$3 with parameter) and (pump with impeller)  2 (702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  3 (Characteristic with curve) same (operat\$3 with parameter)  4 (Characteristic with curve) same (operat\$3 with parameter)  5 (Characteristic with curve) same (operat\$3 with parameter)  6 (characteristic with curve) same (operat\$3 with parameter)  7 (Characteristic with curve) same (operat\$3 with parameter)  8 (2003/09/05 17:01							•		!		
"5384699"   "5386373"   "5394341"   "5394543"   "5404064"   "5408406"   "5408566"   "5414645"   "541919"   "5430642"   "5440478"   "5442639"   "5481199"   "54830642"   "5440478"   "5442639"   "5481199"   "5483087"   "5489579"   "5510799"   "5511004"   "5548528"   "55651599"   "5510799"   "5511004"   "5573032"   "55651599"   "5570300"   "5572420"   "5573032"   "556651599"   "5570300"   "5572420"   "5573032"   "556651699"   "5570300"   "5665899"   "5569713"   "55601668"   "5665899"   "5669713"   "5700300"   "5703575"   "5704011"   "5709578"   "5700305"   "5703575"   "5704011"   "5709578"   "5700305"   "5703575"   "5704011"   "570978"   "5700305"   "5703575"   "5704011"   "570978"   "57008585"   "5713568"   "5713378"   "5740741"   "5781878"   "5801689"   "5805442"   "5882966"   "5882986"   "5848333"   "58599641"   "5876122"   "5882986"   "5923557"   "5924086"   "5926778"   "5889786"   "5926563"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199918"   "6263487"   "6298377").PN.) and (pump with impeller) (((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller) ((detect\$3 with cavitation) and (operat\$3 with system) and (operat\$3 with parameter) and (pump with impeller) (2702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (USPAT; US-PGPUB USPAT; US-PGPU							•	•			
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"5419197"   "5430642"   "5440478"   "5442639"   "5487355"   "5469070"   "5469156"   "5469735"   "5481199"   "5483387"   "5485769"   "5510799"   "5511004"   "5548528"   "5561599"   "5510799"   "5511004"   "5548528"   "5561599"   "5510799"   "5512420"   "5573032"   "5598521"   "5600148"   "5665899"   "5669732"   "56640491"   "5661668"   "5665899"   "5669731"   "57604041"   "5661668"   "5675724"   "5680109"   "570090"   "5703575"   "5704011"   "5705978"   "570090"   "5703575"   "5719378"   "5741074"   "5748871"   "5748878"   "5801689"   "57522008"   "5764891"   "5781878"   "5801689"   "5859442"   "5828567"   "5829876"   "5848383"   "5859964"   "5876122"   "5887978"   "59925663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   ((detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccis. or 700/\$.ccis.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   USPAT; uS-PGPUB   USPAT; u							"5394341"	"5394543"	ŀ		
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"5467355"   "5469070"   "5469156"   "5469735"   "548199"   "5483887"   "5485753"   "5486996"   "5488697"   "5489381"   "5495769"   "5570300"   "5511004"   "5548528"   "5561599"   "5570300"   "5572420"   "5573032"   "5671335"   "56755040"   "5623605"   "5669713"   "5671335"   "56755040"   "5675724"   "5680109"   "5700900"   "5703575"   "5704011"   "5705978"   "5708585"   "5713668"   "57139378"   "5741074"   "5742845"   "5746511"   "5752008"   "5786012"   "58828876"   "5801689"   "5805442"   "5826867"   "5889788"   "5923557"   "5924086"   "59267868"   "58498333"   "5859964"   "5876122"   "5889788"   "5923557"   "5924086"   "5926786"   "5889788"   "5923557"   "5924086"   "5926786"   "58498798"   "5923557"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199518"   "6294887"   "6298377").PN.) and (pump with impeller) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engliee) and (neural with network)) and (pump with impeller) ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller) ((detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter)) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter)) and (operat\$3 with parameter) and (monitor\$3 with parameter)  0 (Characteristic with curve) same (operat\$3 with parameter)  10 (Characteristic with curve) same (operat\$3 with parameter)  2003/09/05 17:01  2003/09/05 14:36	ļ	1			"5419197"		•		i		
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"5488697"   "5489831"   "5591099"   "5510799"   "5511004"   "55748528"   "5561599"   "5570300"   "5572420"   "5573302"   "5561599"   "5560148"   "566360589"   "5637802"   "5640491"   "5661668"   "5665899"   "5667313"   "5673504"   "5675504"   "5675724"   "5680109"   "57003575"   "5704011"   "5705978"   "5708585"   "5713668"   "571378"   "5740411"   "5705978"   "5708585"   "5713668"   "5713978"   "574074"   "5742845"   "5746511"   "5752008"   "57640491"   "5782856"   "5848383"   "5859964"   "5876522"   "5829867"   "5848383"   "589964"   "5876122"   "5887978"   "5923557"   "5924086"   "5926778"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "619281"   "6195591"   "6195591"   "6199591"   "6263487"   "6298377").PN.) and (pump with impeller) (monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller) (monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller) (J02/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (J02/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter)) (Characteristic with curve) same (operat\$3 with parameter) USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB US-PGPU							•		<u> </u>		
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"5572420"   "5573032"   "5598521"   "5600148"   "5623605"   "5637802"   "5640491"   "5661668"   "5665899"   "5669731"   "5671335"   "57035750"   "57675724"   "5680109"   "570090"   "5703575"   "5774011"   "5705978"   "5708585"   "5713668"   "5719378"   "5741074"   "5742845"   "57456511"   "5752008"   "5764891"   "5781878"   "5801689"   "5859644"   "5826567"   "5829876"   "584383"   "5859964"   "5926778"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047222"   "6119018"   "6263487"   "6298377").PN.) and (pump with impeller) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)  1 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations) and (operat\$3 with parameter) and (pump with impeller)  6 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  2 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  10 (Characteristic with curve) same (operat\$3 with parameter) uSPAT; uS-PGPUB	-					and the second second		•	!		
"5633605"   "5647802"   "5640491"   "5661668"   "5665899"   "5669713"   "56700090"   "5703575"   "5767274"   "5669713"   "5700090"   "5703575"   "5774011"   "57575978"   "5700090"   "5703575"   "5774011"   "57575978"   "5741074"   "5742845"   "5746511"   "5757208"   "5741074"   "5742845"   "57466511"   "5757208"   "5741074"   "5742845"   "57466511"   "5757208"   "5741074"   "5742845"   "57466511"   "5757208"   "5741074"   "5742845"   "5846383"   "5859442"   "5828567"   "5829876"   "5848383"   "5859964"   "5826578"   "5829876"   "5848383"   "5859964"   "5826778"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)  1 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  6 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  10 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  10 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  10 (Characteristic with curve) same (operat\$3 with parameter) uSPAT; uS-PGPUB uSP		1	•				•	•	! .		
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"5675724"   "5680109"   "5700090"   "5703575"   "5704011"   "5705978"   "5708585"   "5713668"   "5719378"   "5741074"   "5781878"   "5746511"   "5752008"   "5764891"   "5781878"   "5801689"   "5805442"   "5828567"   "5829876"   "5848383"   "5859964"   "5876122"   "5887978"   "5923557"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)  2 ((monitor\$\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller) ((monitor\$\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller) (detect\$\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) uSPAT; US-PGPUB uSPAT; US-PGPUB uSPAT; US-PGPUB uSPAT; us-PGPUB uspat; us-PGPUB uspat; us-PGPUB uspat; us-PGPUB us-PGPU				ı			•		İ		
"5704011"   "5705978"   "5708585"   "5713668"     "5719378"   "5741074"   "5742845"   "5746511"     "5752008"   "5764891"   "5781878"   "5801689"     "5805442"   "5828567"   "58289676"   "5848383"     "5859964"   "58676122"   "5887978"   "5923557"     "5924086"   "5926778"   "5940290"   "59556663"     "6047220"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   2 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   1 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   6 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   7 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (operat\$3 with parameter) us-PGPUB uspAT; us-PGPUB us											·
"5719378"   "5741074"   "5742845"   "5746511"     "5752008"   "57648911   "5781878"   "5801689"     "5805442"   "5828567"   "5829876"   "5848383"     "5859964"   "5876122"   "5887978"   "5923557"     "5924086"   "5926778"   "5940290"   "5956663"     "5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6019047"   "6199281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))   (Characteristic with curve) same (operat\$3 with parameter) uSPAT; uS-PGPUB uSPAT; uS	1					"5680109"		"5703575"			
"5752008"   "5764891"   "5781878"   "5801689"     "5805442"   "5828567"   "5828976"   "5848383"     "5859964"   "5876122"   "5887978"   "5923557"     "5924086"   "5926778"   "5940290"   "5956663"     "5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   - 2 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   1 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   6 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   7 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   10 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))   0 (Characteristic with curve) same (operat\$3 with parameter) USPAT; US-PGPUB usparameter) and (characteristic with curve) same (operat\$3 with parameter) usparameter) usparameter) (Characteristic with curve) same (operat\$3 with parameter) usparameter) u	1			1	"5704011"	"5705978"	"5708585"	"5713668"	ĺ		4.4
"5752008"   "5764891"   "5781878"   "5801689"     "5805442"   "5828567"   "5829876"   "5843833"     "5859964"   "587622"   "5887978"   "5923557"     "5924086"   "5924078"   "5940290"   "5956663"     "5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   - 2 ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   1 ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   6 (detect\$3 with cavitation) and (pump with impeller)   7 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   2 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   10 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))   0 (Characteristic with curve) same (operat\$3 with parameter) USPAT; US-PGPUB uspart; US-PGPUB usp				ŀ	"5719378"	"5741074"	"5742845"	"5746511"	İ		
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"5859964"   "5876122"   "5887978"   "5923557"   "5924086"   "59260778"   "5940290"   "5956663"   "5970430"   "6016706"   "6017143"   "6045260"   "6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)  [Commitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)  [Commitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  [Commitor\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  [Commitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  [Commitor\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  [Commitor\$3 with cavitation) and (operat\$3 with cavitation) and (pump with impeller)  [Commitor\$3 with cavitation) and (pump with impeller)  [Commitor\$3 with cavitation) and (pump with impeller)  [Commitor\$3 with cavitation) and (pump with impeller)  [Commitor\$3 with cavitation) and (pump with impeller)  [Commitor\$3 with parameter) and (pump with impeller)  [Commitor\$3 with parameter) and (pump with impeller)  [Commitor\$3 with parameter) and (pump with impeller)  [Commitor\$3 with parameter) and (pump with impeller)  [Commitor\$3 with parameter) and (pump with impeller)  [Commitor\$3 with parameter) and (pump with impeller)  [Commitor\$3 with parameter)  [Commitor\$3 with parameter)  [Commitor\$3 with parameter)  [Commitor\$3 with parameter)  [Commitor\$3 with parameter)  [Commitor\$4 with cavitation parameter)  [Commitor\$5 with cavitation parameter)  [Commitor\$5 with cavitation parameter)  [Commitor\$5 with cavitation parameter)  [Commitor\$5 with cavitation parameter)  [Commitor\$5 with cavitation parameter)  [Commitor\$5 with parameter)  [Commitor\$5 with parameter)  [Commitor\$5 with parameter)  [Commitor\$5 with parameter)  [Commitor\$5 w									; 		
"5924086"   "5926778"   "5940290"   "5956663"     "5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))   (Characteristic with curve) same (operat\$3 with parameter) us-PGPUB   US-PG								•	! !		
"5970430"   "6016706"   "6017143"   "6045260"     "6047220"   "6047222"   "6119047"   "6192281"     "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)   ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)   ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)   (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)   (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))   (Characteristic with curve) same (operat\$3 with parameter) USPAT; same caviation (characteristic with curve) same (operat\$3 with parameter)   (Characteristic with curve) same (operat\$3 with parameter) USPAT; same caviation (characteristic with curve) same (operat\$3 with parameter)						"5026778"	"5040200"				•
"6047220"   "6047222"   "6119047"   "6192281"   "6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller) ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller) ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller) (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter)) (Characteristic with curve) same (operat\$3 with parameter) uspat;				- 1							
"6195591"   "6199018"   "6263487"   "6298377").PN.) and (pump with impeller)  ((monitor\$3 with system) and (operat\$4 with parameter) and (expert with engine) and (neural with network)) and (pump with impeller)  ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  (Characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)				İ							
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and (expert with engine) and (neural with network)) and (pump with impeller)  ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller)  (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  (Characteristic with curve) same (operat\$3 with parameter) uspart; u											
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(pump with impeller) ((monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage or V-A)) and (high with frequency fluctuations)) and (pump with impeller) (detect\$3 with cavitation) and (operat\$3 with parameter) us-PGPUB (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) uspAT; and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) uspAT; and (operat\$3 with parameter) uspAT; and (operat\$3 with parameter) and (monitor\$3 with (data or parameter)) (10 (Characteristic with curve) same (operat\$3 with parameter) uspAT; same caviation (10 (characteristic with curve) same (operat\$3 with parameter) (10 (characteristic with curve) same (operat\$3 with parameter) (10 (characteristic with curve) same (operat\$3 with parameter) (10 (characteristic with curve) same (operat\$3 with parameter) (11 (characteristic with curve) same (operat\$3 with parameter) (12 (characteristic with curve) same (operat\$3 with parameter) (13 (characteristic with curve) same (operat\$3 with parameter) (14 (characteristic with curve) same (operat\$3 with parameter) (15 (characteristic with curve) same (operat\$3 with parameter) (16 (detect\$3 with cavitation) uspAT; uspapped (characteristic with curve) same (operat\$3 with parameter) (17 (characteristic with curve) same (operat\$3 with parameter) (17 (characteristic with curve) same (operat\$3 with parameter) (17 (characteristic with curve) same (operat\$3 with parameter) (18 (characteristic with curve) same (operat\$3 with parameter) (18 (characteristic with curve) same (operat\$3 with parameter) (18 (characteristic with curve) same (operat\$3 with parameter) (18 (characteristic with curve) same (operat\$3 with parameter) (18 (characteristic with curve) same (operat\$3 with parameter)				-	and (expert	with engine)	and (neural	with network	c)) and		, == ==
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frequency fluctuations)) and (pump with impeller)  (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) USPAT; US-PGPUB USPAT; and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  (Characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter)  (characteristic with curve) same (operat\$3 with parameter)  Same caviation  (characteristic with curve) same (operat\$3 with parameter)  USPAT;	· .		٠	-	(voltage-cur	rent or volta	7 (	and (high with			2003/04/10 12:39
6 (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  2 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  3 (702/\$.ccls. or 700/\$.ccls.) and (pump with impeller) USPAT; US-PGPUB USPAT; and (operat\$3 with parameter) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  4 (Characteristic with curve) same (operat\$3 with parameter) same caviation  5 (Characteristic with curve) same (operat\$3 with parameter) uSPAT; uS-PGPUB USPAT; uS-PGPUB usparameter)  6 (detect\$3 with cavitation) uSPAT; uS-PGPUB usparameter) uSPAT; usparameter) uSPAT; usparameter) usparamete		1		.	frequency fly	ictuations)	and (numn	iith impeller\	•	03-PGPUD	
and (pump with impeller)  2 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller)  10 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  10 (Characteristic with curve) same (operat\$3 with parameter) same caviation  10 (characteristic with curve) same (operat\$3 with parameter) same caviation  10 (characteristic with curve) same (operat\$3 with parameter) same caviation  11 (JS-PGPUB) USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB	_	1 .		ے ا	(detectes	ith covitation	ana (panip w	nui inipeller)			2002/20/20
2 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (pump with impeller) (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter)) (Characteristic with curve) same (operat\$3 with parameter)  0 (Characteristic with curve) same (operat\$3 with parameter) same caviation  1 USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB			,	١ ٧	and (numer	iui cavitation	) ario (opera	டி3 with para	imeter)		2003/09/05 15:01
and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  (Characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter) same caviation	1			,							
and (operat\$3 with parameter) and (pump with impeller)  (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  (Characteristic with curve) same (operat\$3 with parameter) same caviation  (characteristic with curve) same (operat\$3 with parameter) same caviation  US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB	<del>-</del>		-	4	(/UZ/\$.ccls.	or /00/\$.ccl	s.) and (dete	ct\$3 with cav	vitation)		2003/04/16 14:05
10 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  10 (Characteristic with curve) same (operat\$3 with parameter) same caviation  10 (Characteristic with curve) same (operat\$3 with parameter) same caviation  10 (Characteristic with curve) same (operat\$3 with parameter) same caviation  11 (702/\$.ccls. or 700/\$.ccls.) and (detect\$3 with cavitation) USPAT; USPA										US-PGPUB	-
and (operat\$3 with parameter) and (monitor\$3 with (data or parameter))  O (Characteristic with curve) same (operat\$3 with parameter) same caviation  O (characteristic with curve) same (operat\$3 with parameter) USPAT; USPAT; USPAT; USPAT; Same caviation  US-PGPUB  USPAT; USPA	-		10	) (C	(702/\$.ccls.	or 700/\$.ccl	s.) and (dete	ct\$3 with cav	vitation)		2003/04/16 14:06
parameter)) (Characteristic with curve) same (operat\$3 with parameter) same caviation (characteristic with curve) same (operat\$3 with parameter) USPAT;	1	1 .									
Characteristic with curve) same (operat\$3 with parameter) same caviation (characteristic with curve) same (operat\$3 with parameter) USPAT; US-PGPUB USPAT; Same caviation (uS-PGPUB) USPAT; US-PGPUB		1					, (1		( 01	30.00	
same caviation (characteristic with curve) same (operat\$3 with parameter) same caviation US-PGPUB USPAT; US-PGPUB US-PGPUB	-		ſ	ر. ا			e) same (one	rat¢3 with n	arameter\	LICDAT	2002/00/05 17:01
0 (characteristic with curve) same (operat\$3 with parameter) USPAT; US-PGPUB 2003/09/05 14:36	1		,	-	same caviation					2003/03/03 17:01	
same caviation US-PGPUB	_		,	۱,			\ cama (===	ander college			2002/02/25
			,	1	camp carriet	ic with curve	s) same (ope	racys with pa	irameter)		2003/09/05 14:36
	<u></u>									US-PGPUB	

	0	(characteristic with curve) and ((operat\$3 with parameter) same caviation )	USPAT; US-PGPUB	2003/09/05 14:37
1	0	(characteristic with curve) and (operat\$3 with parameter)	USPAT;	2003/09/05 14:37
	0	(characteristic with curve) and (operat\$3 with parameter)	USPAT;	2003/09/05 14:38
	0	characteristic and curve and (operat\$3 with parameter) and	USPAT;	2003/09/05 14:38
	27	(detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	2003/09/05 17:18
	6	((detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	2003/09/08 12:34
	2	og/852945	USPAT;	2003/09/05 15:04
	5	(((detect\$3 with cavitation) and (operat\$3 with parameter)	USPAT;	2003/09/05 16:23
	16	((detect\$3 with cavitation) and (operat\$3 with parameter)	US-PGPUB USPAT;	2003/09/05 16:23
	24	((character\$6 with curve) and (operat\$3 with parameter) an	US-PGPUB USPAT;	2003/09/07 15:32
	1	cavitation ) and (estimat\$3 near5 cavitation)	US-PGPUB USPAT:	2003/09/05 17:05
		an cavitation ) and (estimat\$3 near5 cavitation) ) and Processor and memory	US-PGPUB	
	1	(((character\$6 with curve) and (operat\$3 with parameter) an cavitation ) and (estimat\$3 near5 cavitation) ) and	USPAT; US-PGPUB	2003/09/05 17:06
		(Processor or computer or CPU or microcomputer) and memory		
	1	(((character\$6 with curve) and (operat\$3 with parameter) an cavitation) and (estimat\$3 near5 cavitation) and	USPAT; US-PGPUB	2003/09/05 17:06
	·.	(Processor or computer or CPU or microcomputer or		
•	1	(character\$6 with curve) same (estimat\$3 with cavitation)	USPAT; US-PGPUB	2003/09/05 17:28
	2	(character\$6 with curve) same ((estimat\$3 or detect\$3 or sens\$3) with cavitation)	USPAT;	2003/09/05 17:28
:	1	((character\$6 with curve) and (operat\$3 with parameter)	USPAT;	2003/09/07 15:32
	1	(((character\$6 with curve) and (operat\$3 with parameter) and cavitation ) and (estimat\$3 near5 cavitation) ) and	USPAT; US-PGPUB	2003/09/07 15:34
	4	microprocessor)		
		"4674279"   "4683718"   "4770843"   "4794544"   "4823018"   "4994684"   "5322412"   "5346359"	USPAT; US-PGPUB	2003/09/07 16:36
	5	("6152684" "5940290" "5284523" "5646539" "5573032").pn.	USPAT;	2003/09/07 16:39
0. 131	1	DE-19645129-\$.did.	USPAT;	2003/09/07 16:41
			EPO; JPO;	
	2	WO-9721154-\$.did.	USPAT;	2003/09/07 16:41
			EPO; JPO;	
	2	EP-943805-\$.did.	USPAT;	2003/09/07 16:42
			US-PGPUB; EPO; JPO;	
		0 0 27 6 2 5 16 24 1 1 1 2 1 1 2	same caviation )  (characteristic with curve) and (operat\$3 with parameter) and (caviation with device)  (characteristic with curve) and (operat\$3 with parameter) and caviation  characteristic and curve and (operat\$3 with parameter) and caviation  (detect\$3 with cavitation) and (operat\$3 with parameter) and curve  ((detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and (character\$6 with curve)) and routine.  (((detect\$3 with cavitation)) and (operat\$3 with parameter) and curve) and (character\$6 with curve)) and routine.  (((detect\$3 with cavitation)) and (operat\$3 with parameter) and curve) and routine.  (((character\$6 with curve)) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$5 cavitation)) and Processor and memory.  (((character\$6 with curve)) and (operat\$3 with parameter) an cavitation) and (estimat\$3 near\$5 cavitation)) and (Processor or computer or CPU or microcomputer) and memory.  (((character\$6 with curve)) and (operat\$3 with parameter) an cavitation) and (estimat\$3 near\$5 cavitation)) and (Processor or computer or CPU or microcomputer) and cavitation) and (estimat\$3 near\$5 cavitation)) and (Processor or computer or CPU or microcomputer or microprocessor) and memory.  (((character\$6 with curve)) and (operat\$3 with parameter) an cavitation) and (estimat\$3 near\$6 cavitation).  ((character\$6 with curve) same ((estimat\$3 or detect\$3 or sens\$3) with cavitation).  ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$6 cavitation).  ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$6 cavitation).  ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$6 cavitation).  ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$6 cavitation).  ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$6 cavitation).  ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (est	same caviation ) (characteristic with curve) and (operat\$3 with parameter) and caviation (characteristic with curve) and (operat\$3 with parameter) and caviation characteristic and curve and (operat\$3 with parameter) and caviation (detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and (character\$6 with curve) and routine ((detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and (character\$6 with curve) and routine ((detect\$3 with cavitation) and (operat\$3 with parameter) and curve) and (character\$6 with curve) and routine ((character\$6 with curve) and (operat\$3 with parameter) and cavitation) and (estimat\$3 near\$5 cavitation) and (estimat\$1 near\$5 cavitation) and (estimat\$3 near\$5 cavitation) and (estimat\$3 near\$6 cavitation) and (ertimat\$3 near\$6

10					
WO-9721154-ş.did. or EP-943805-ş.did.   EPO, JPO;   DERWENT   US-PG-10	-	10			2003/09/07 16:43
1   alert with user with cavitation   USPAT, US-PGPUB   USPAT, U	·				
1   alert with user with cavitation   USPAT, US-PGPUB   USPAT, U			WO-9721154-\$.did. or EP-943805-\$.did.		
1   alert\$3 with user with cavitation   USPAT; USPAPUBLE   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:50   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:40   2003/09/08 12:50   2003/09/0			·	DERWENT	
alert\$3 with user with cavitation   USPAT; US-PGPUB   USPAT; US-	-	1	alert with user with cavitation	USPAT;	2003/09/08 12:36
1				US-PGPUB	
1	-	1	alert\$3 with user with cavitation	USPAT;	2003/09/08 12:50
1   (alert\$3 or sens\$3 or nimble or agile or athletic) with user   USPAT; US-PGPUB					
with cavitation associat\$4 with user with cavitation US-PGPUB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PGO; JPO; DERWENT; US-PGPUB; PGO; JPO; DERWENT; US-PGPUB; PGO; JPO; DERWENT; US-PGPUB; PGO; JPO; DERWENT; PGO; JPO; DERWENT; PGO; JPO; DERWENT; PGO; JPO; DERWENT; PGO; JPO; JPO; DERWENT; PGO; JPO; DERWENT; PGO; JPO; DERWENT; PGO; JPO; JPO; DERWENT; PGO; JPO; JPO; DERWENT; PGO; JPO; JPO; DERWENT; PGO; JPO; JPO; DERWENT; PGO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; JP	-	1	(alert\$3 or sens\$3 or nimble or agile or athletic) with user		2003/09/08 12:38
2003/09/08 12:41   User with presents with cavitation   UsPAT; Us-PGPUB USPAT; Us-PGPUB; PGO; PGO; DERWENT; IBM_TDB USPAT; Us-PGPUB; PGO; PGO; DERWENT; IBM_TDB USPAT; Us-PGPUB; PGO; PGO; PGO; PGO; PGO; PGO; PGO; PGO					
1   user with presen\$4 with cavitation	_	5			2003/09/08 12:41
1   user with presen\$4 with cavitation					
US-PGPUB USPAT; US-PGPUB; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; PO; DPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PO; DPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PO; DPO; DERWENT; IBM_TDB USPAT; US-PGPUB; PO; DPO; DPO; DPO; DPO; DPO; DPO; DPO;	_	1	user with presen\$4 with cavitation		2003/09/08 12:42
USPAT; USPAT;		1	about that property i that during life		2003/03/00 12:12
US-PGPUB	<u> </u>	52	user with cavitation		2003/09/08 12:48
11		32	daci widi cavitation		2003/03/00 12.40
user with recogni\$6 with cavitation  alert\$3 with cavitation  indicat\$3 with user with cavitation  ipiezoelectric near2 horn) with cavitation  (piezoelectric near2 horn) same cavitation  (piezoelect		11	(user with cavitation) and plant		2003/00/09 12:47
1 user with recognis6 with cavitation 2 alert\$3\$ with cavitation 3 logard; 4 (piezoelectric near2 horn) with cavitation 4 (piezoelectric near2 horn) same cavitation 5 (estimat\$3\$ with cavitation) and (characteristic with curve) 6 ((estimat\$3\$ with cavitation) and (characteristic with curve) 7 2 (((estimat\$3\$ with cavitation) and (characteristic with curve)) and (collect\$3\$ with parameter) 8 2 (((estimat\$3\$ with cavitation) and (characteristic with curve)) and (collect\$3\$ with parameter) 9 2 (((estimat\$3\$ with cavitation) and (characteristic with curve)) and (collect\$3\$ with parameter)) and (monitor\$3\$ with cavitation) and (characteristic with curve)) and (collect\$3\$ with parameter)) and (monitor\$3\$ with cavitation) and (characteristic with curve)) and (monitor\$3\$ with parameter) 9 2 (((estimat\$3\$ with cavitation) and (characteristic with curve)) and (collect\$3\$ with parameter)) and (monitor\$3\$ with cavitation) and (characteristic with curve)) and (monitor\$3\$ with parameter) 9 2 (((estimat\$3\$ with cavitation) and (characteristic with curve)) and (monitor\$3\$ with parameter) 9 2 2 ((estimat\$3\$ with cavitation) and (characteristic with curve)) and (monitor\$3\$ with parameter) 9 2 3 4 ((estimat\$3\$ with cavitation) and (characteristic with curve)) and (collect\$3\$ with parameter) and (monitor\$3\$ with parameter) 1 3 5 5 5 5 5 5 5 5 5 6 5 6 6 7 7 7 7 7 7 7	,	11	Laser with cavitation, and plant		2003/03/00 12.47
US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB EPO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB EPO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; PO; PO; DERWENT; IBM_TDB USPAT; US-	_	1	user with recognit6 with cavitation		2003/00/09 12:40
2   alert\$3 with cavitation   USPAT; US-PGPUB   Indicat\$3 with user with cavitation   USPAT; US-PGPUB   USPAT; US-PGPU	-	1	de with recognist with cavitation		2003/03/06 12:49
Indicat\$3 with user with cavitation		1	alartt2 with equitation		2002/00/00 12-51
- 1 (piezoelectric near2 horn) with cavitation - 2 (piezoelectric near2 horn) same cavitation - 3 (piezoelectric near2 horn) same cavitation - 4 (piezoelectric near2 horn) same cavitation - 5 (piezoelectric near2 horn) same cavitation - 6 (piezoelectric near2 horn) same cavitation - 7 (piezoelectric near2 horn) same cavitation - 8 (piezoelectric near2 horn) same cavitation - 9 (piezoelectric near2 horn) same cavitation - 1 (piezoelectric near2 horn) same cavitation - 1 (piezoelectric near2 horn) same cavitation - 1 (piezoelectric near2 horn) same cavitation - 2 ((estimat\$3 with cavitation) and (characteristic with curve)) - 1 ((estimat\$3 with cavitation) and (characteristic with curve)) - 1 ((estimat\$3 with cavitation) and (characteristic with curve)) - 2 (((estimat\$3 with cavitation) and (characteristic with curve)) - 2 (((estimat\$3 with cavitation) and (characteristic with curve)) - 2 (((estimat\$3 with cavitation) and (characteristic with curve)) - 2 (((estimat\$3 with cavitation) and (characteristic with curve)) - 2 (((estimat\$3 with cavitation) and (characteristic with curve)) - 3 ((estimat\$3 with cavitation) and (characteristic with curve)) - 4 ((estimat\$3 with cavitation) and (characteristic with curve)) - 5 ((estimat\$3 with cavitation) and (characteristic with curve)) - 6 ((estimat\$3 with cavitation) and (characteristic with curve)) - 7 ((estimat\$3 with cavitation) and (characteristic with curve)) - 8 ((estimat\$3 with cavitation) and (characteristic with curve)) - 9 ((estimat\$3 with cavitation) and (characteristic with curve)) - 1 ((estimat\$3 with cavitation) and (characteristic with curve)) - 1 ((estimat\$3 with cavitation) and (characteristic with curve)) - 1 ((estimat\$3 with cavitation) and (characteristic with curve)) - 2 ((estimat\$3 with cavitation) and (characteristic with curve)) - 2 ((estimat\$3 with cavitation) and (characteristic with curve)) - 3 ((estimat\$3 with cavitation) and (characteristic with curve)) - 4 ((estimat\$3 with cavitation) and (characteristic with curve)) - 5 ((estimat\$3 with cavi	-	2	aici (\$3 Willi CavitatiOII		2003/09/08 12:51
Collect   Coll			indicate? with year with anytheti	l .	2002/00/00 42 52
1 (piezoelectric near2 horn) with cavitation 4 (piezoelectric near2 horn) same cavitation 5 (estimat\$3 with cavitation) and (characteristic with curve) 6 (estimat\$3 with cavitation) and (characteristic with curve) 7 ((estimat\$3 with cavitation) and (characteristic with curve)) and routine 7 ((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter) 8 ((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter) 9 (((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter)) and (monitor\$3 with parameter) 9 (((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter)) and (monitor\$3 with parameter) 9 (((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter) 9 (((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 9 (((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 9 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 1 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 1 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 1 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 2 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 2 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 2 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 3 (estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 3 (estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 3 (estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter) 4 (estimat	-	6.	Indicat\$3 with user with cavitation		2003/09/08 12:52
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<ul> <li>2 (((estimat\$3 with cavitation) and (characteristic with curve)) and (collect\$3 with parameter)) and (monitor\$3 with parameter)</li> <li>2 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter)</li> <li>2 ((estimat\$3 with cavitation) and (characteristic with curve)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</li> <li>3 (cavitation and (characteristic with curve) and (collect\$3 with parameter) and (monitor\$3 with parameter)</li> <li>4 (cestimat\$3 with cavitation) and (characteristic with curve) USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;</li> </ul>					
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- 2 ((estimat\$3 with cavitation) and (characteristic with curve)) and (monitor\$3 with parameter)  5 cavitation and (characteristic with curve) and (collect\$3 with parameter) and (monitor\$3 with parameter)  6 cavitation and (characteristic with curve) and (collect\$3 with parameter)  7 cavitation and (monitor\$3 with parameter)  8 cavitation and (monitor\$3 with parameter)  9 cavitation and (monitor\$3 with parameter)  9 cavitation and (monitor\$3 with parameter)  10 cavitation and (characteristic with curve) and (collect\$3 cavitation and (monitor\$3 with parameter)			curve)) and (collect\$3 with parameter)) and (monitor\$3 with		
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- 5 cavitation and (characteristic with curve) and (collect\$3 with parameter) and (monitor\$3 with parameter)  USPAT; US-PGPUB; EPO; JPO; DERWENT;					
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EPO; JPO; DERWENT;				,	
DERWENT;					
				IBM_TDB	

-	54	cavitation same (characteristic with curve)	USPAT;	2004/05/20 15:47
		,	US-PGPUB;	
			EPO; JPO;	]
			DERWENT;	
			IBM_TDB	
-	24	cavitation with (characteristic with curve)	USPAT;	2004/05/20 15:47
		·	US-PGPUB;	1
			EPO; JPO;	İ
			DERWENT;	
		,	IBM_TDB	
-	2	((estimat\$3 evaluat\$3) with cavitation) same (characteristic	USPAT;	2004/05/20 15:56
·		with curve)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
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<del>-</del>	9.	((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:51
		with curve)	US-PGPUB;	
			EPO; JPO;	
		·	DERWENT;	
1			IBM_TDB	
	2	(((actionate) avaluate) with equitation) and (characteristic		2004/05/20 45:50
-	2	(((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:50
		with curve) ) and (stor\$4 with characteristic with curve)	US-PGPUB;	
1		. "	EPO; JPO;	
			DERWENT;	,
		. ,	IBM_TDB	
-	2	(((estimat\$3 evaluat\$3) with cavitation) and (characteristic	USPAT;	2004/05/20 15:51
	_			2004/03/20 13.31
		with curve) ) and (memory same (characteristic with	US-PGPUB;	· .
		curve))	EPO; JPO;	
		·	DERWENT;	
			IBM_TDB	1.
1 -	5	((estimat\$3 evaluat\$3 detect\$3) with cavitation) same	USPAT;	2004/05/20 16:40
		(characteristic with curve)	US-PGPUB;	200 1/03/20 10:10
		(Characteristic with curve)		
			EPO; JPO;	
	· ·		DERWENT;	
		·	IBM_TDB	
-	4	("5905989" "6421571").pn.	USPAT;	2004/05/20 16:39
			US-PGPUB;	' '
	,		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	(("5905989" "6421571").pn.) and (characteristic with curve)	USPAT;	2004/05/20 16:52
			US-PGPUB;	
			EPO; JPO;	<u>'</u>
		·	DERWENT;	,
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1_	0	((actimate) or detected) with equiption) and ((atage 4 are		2004/05/20 46:53
1-	0	((estimat\$3 or detect\$3) with caviation) and ((stor\$4 or	USPAT;	2004/05/20 16:52
		memeory) with characteristic with curve)	US-PGPUB;	
			EPO; JPO;	
4	1	and the analysis are a second as a second	DERWENT;	
-			IBM_TDB	
-	0	((estimat\$3 or detect\$3) with caviation) and ((stor\$4 or	USPAT;	2004/05/20 16:53
				2007/03/20 10.33
		memory) with characteristic with curve)	US-PGPUB;	
			EPO; JPO;	
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-	3	((estimat\$3 or detect\$3) with cavitation) and ((stor\$4 or	USPAT;	2004/05/20 16:53
		memory) with characteristic with curve)	US-PGPUB;	_30.,00,20.00
		momory, mar characteristic with turve,		
		·	EPO; JPO;	,
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